



**GPU Nuclear**  
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Writer's Direct Dial Number:

August 2, 1982  
4400-82-L-0128

Office of Inspection and Enforcement  
Attn: Mr. Ronald C. Haynes, Director  
Region I  
US Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, PA 19406

Dear Sir:

Three Mile Island Nuclear Station, Unit 2 (TMI-2)  
Operating License No. DPR-73  
Docket No. 50-320  
I & E Bulletin 79-18

This letter is the Three Mile Island Unit 2 (TMI-2) response to I & E Bulletin 79-18 "Audibility Problems Encountered on Evacuation of Personnel from High-Noise Areas". Bulletin 79-18 requires the following actions:

1. Determine whether current alarm systems and evacuation announcement systems are clearly audible or visible throughout all plant areas with emphasis on high-noise areas. Determination in high noise areas must be made with the maximum anticipated noise level.
2. Determine what corrective action is necessary to assure that areas identified as inaudible areas in 1 above will receive adequate audible/visual evacuation signals. In areas where adequate audible/visual evacuation signals cannot be assured by hardware changes, determine what additional administrative measures are necessary to assure personnel evacuation.
3. Submit within 45 days of the date of issuance of this Bulletin, a written report of the findings on item 1, and delineate completed or proposed corrective actions per item 2. For operating facilities in a refueling or extended outage, the written report must be submitted within 30 days after plant startup following the outage.
4. For accessible areas, all corrective actions determined per item 2 must be completed within 120 days of the date of issuance of this Bulletin. For inaccessible areas, the written report must include a time schedule for completion of corrective actions in this area.

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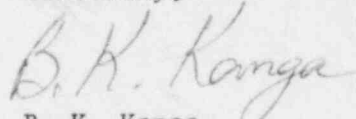
Response

Three Mile Island Unit 2 (TMI-2) has surveyed the plant areas based on the guidance of I & E Bulletin 79-18. Two deficient areas were identified and action has been taken to correct the deficiencies. These two areas were the ventilation area on the 328' elevation of the Auxiliary Building and the traveling screen area on the 305' elevation of the River Water Pump House. The problem in the River Water Pump House was an out-of-commission page speaker which has been repaired. The problem in the Auxiliary Building was insufficient audibility which is being corrected with the addition of necessary page phones and speakers.

Due to the post-accident condition at TMI-2, the Reactor Building presents unique situations relative to notification of personnel in the Reactor Building of emergency situations. Major portions of the alarm and announcement systems were damaged and some areas are impractical to repair. However, GPU Nuclear is very conscious of the need for personnel notification. The subject of communications to personnel in the Reactor Building is addressed on a case-by-case basis for each Reactor Building entry based on the requirements and risks associated with that entry. Efforts are continuously being made to upgrade the communication systems in the Reactor Building as permitted or necessitated by changing conditions in the Reactor Building. Recently, an incontainment system was upgraded to allow two way communication directly between entry personnel instead of via a command center relay. A second system was also installed giving a redundant communication system with worker-to-worker capability as well as worker-to-base capability.

If and when the restart of TMI-2 is considered, the alarm and communication system will be reviewed for conformance with all requirements.

Sincerely,



B. K. Kanga  
Director, TMI-2

JJB:SWS:djb

cc: L. H. Barrett, Deputy Program Director - TMI Program Office  
Dr. B. J. Snyder, Program Director - TMI Program Office  
V. Stello, Director I & E